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Abstract

A visual device generates edge information of moving objects (2) from an frame image (1) and counts the number of the moving objects (2), according to a block diagram shown in FIG.2. A visual device generates edge information of the moving objects (2) and still objects (3) from an frame image (1) and counts the number of the moving objects (2) and the still objects (3), according to a block diagram shown in FIG.4. The visula device searches the moving objects (2) and the still objects (3) and counts the number of the moving objects (2) and the still objects (3), according to a block diagram shown in FIG.12. The visual device can realize means for vibrating the frame image (1), means for generating edge information of the moving objects (2) and the still objects (3) from the frame image (1), means for separating the object areas (141) of the moving objects (2) and the still objects (3) from background of the frame image (1), means for detecting position and size of the moving objects (2) and the still objects (3), means for normalizing some normalized areas (144) segmented by the object areas (141), and means for recognizing the normalized areas (144).